

19990506.qrp v01\_n449.qrl.990506

Date: Thu, 6 May 1999 19:03:21 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1449

QRP-L Digest 1449

Topics covered in this issue include:

- 1) [39684] 15 meters improving  
by Jay Freeman <jayFreem@direcpc.com>
- 2) [39685] Re: Antenna Launching - Questions  
by Michael Neverdosky <MichaelN@cycat.com>
- 3) [39686] Re: Discussions with 5 Great Living Hams (long)  
by Ray Colbert <af852@rgfn.epcc.edu>
- 4) [39687] Re: Discussions with 5 Great Living Hams (long)  
by Chris Trask <ctrask@primenet.com>
- 5) [39688] RE: Antenna Launch method  
by hamjoel@juno.com
- 6) [39689] Definition of QRP  
by w4pj@w4bkx.ampr.org
- 7) [39690] Re: Antenna Launching - Questions  
by Dave Curry <kb8tt@ncweb.com>
- 8) [39691] Re: Half watt IC TX - Finding the chip  
by Jim Hale <kj5tf@yahoo.com>
- 9) [39692] RP6 Callsigns?  
by Ed Kessler <edkess@epix.net>
- 10) [39693] Help  
by "Charles Hamel" <cdhamel@pdq.net>
- 11) [39694] FS: Ten-Tec Argo QRP Xcvt  
by russ behm <russbehm@silcom.com>
- 12) [39695] Thanks to K4MSW  
by "Dan Trigilio" <danjt@cruzio.com>
- 13) [39696] Gotta Brag  
by Jeff Grudin <grudin@pacific.vdbs.com>
- 14) [39697] Re:Antenna Launching - Questions  
by sholisky@ktca.org (Scott Holisky)
- 15) [39698] Re: ARCI Log Format  
by Joe Gervais <vole@primenet.com>
- 16) [39699] Anyone in Texas ordering K2?  
by "rohre" <rohre@arlut.utexas.edu>
- 17) [39700] Re: Coils for Regens: some numbers  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 18) [39701] 74HCT240  
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 19) [39702] Rufz in DOS (Windows 98)

- by "C. M. Tyler" <k5gq@juno.com>
- 20) [39703] Re: Antenna Launching and the Portable Doublet  
by Peter Demmer <ampruss@hits.net>
- 21) [39704] Link Coupled tuner and the "big" coil  
by mikemo@ibm.net
- 22) [39705] ZM-2 + HM-9 = QRP Tuner/SWR/Wattmeter  
by sda <sda@bellsouth.net>
- 23) [39706] 74HCT20 vs 74HC240  
by James R Giammanco <n5ib@juno.com>
- 24) [39707] Re: 74HCT20 vs 74HC240  
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 25) [39708] Re: solution to Antenna Launching  
by Goran Hosinsky <hosinsky@royac.iac.es>
- 26) [39709] QRP CW rigs for RTTY or PSK31?  
by John R Kirby <n3aaz-qrp@juno.com>
- 27) [39710] Re: Rufz in DOS (Windows 98)  
by Hank Kohl K8DD <k8dd@contesting.com>
- 28) [39711] Folding bail for small rigs  
by Bob Hightower <ki7mn@extremezone.com>
- 29) [39712] Re: RP6 Callsigns  
by w4pj@w4bkx.ampr.org
- 30) [39713] It has been said before,  
by Goran Hosinsky <hosinsky@royac.iac.es>
- 31) [39714] Re: Antenna Launching - Questions  
by "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>
- 32) [39715] Re: RP6 Callsigns  
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 33) [39716] Re: Antenna Launch method  
by jim seeber <kw3u@warwick.net>
- 34) [39717] Dayton/FDIM  
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 35) [39718] Dayton: Room-mate needed.  
by "Ed Manuel, N5EM" <n5em@flash.net>
- 36) [39719] Index Labs QRP+ repairs?  
by "Draper, Bruce L" <draperbl@sandia.gov>
- 37) [39720] Re: Discussions with 5 Great Living Hams (long)  
by Frank Ivan - K0FEI <k0fei@ibm.net>
- 38) [39721] Need a ride  
by pierce@rice.edu (George F. Pierce)
- 39) [39722] NA5N Posting on Inductors for Regens  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 40) [39723] Stuff for Sale  
by "Malcolm Bussey" <mbussey@gte.net>
- 41) [39724]  
by Anthony Felino <anthony@pacinfosb.com>
- 42) [39725] qrpp  
by af852@rgfn.epcc.edu (William R Colbert)
- 43) [39726] Antenna Launch Method

- by tom whalen <wb5qyt@eFortress.com>
- 44) [39727] Dave Benson's New DSW Rig, Another Beta Builder Report  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 45) [39728] Launching Antennas  
by Bruce Muscolino <w6toy@erols.com>
- 46) [39729] ZM-2 ATU  
by "Peter Zenker" <Peter\_DL2FI@csi.com>
- 47) [39730] Parts ID  
by "George W. Lee" <k5ht@juno.com>
- 48) [39731] Re: Discussions with 5 Great Living Hams (long)  
by Ray Colbert <af852@rgfn.epcc.edu>
- 49) [39732] Re:  
by "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>
- 50) [39733] BNC Conector  
by "Charles Hamel" <cdhamel@pdq.net>
- 51) [39734] One More  
by "Charles Hamel" <cdhamel@pdq.net>
- 52) [39735] NEW (?) questions about regens (and Dave's FreqMite)  
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 53) [39736] Re: Rufz in DOS (Windows 98)  
by Jay Bromley <w5jay@alltel.net>
- 54) [39737] Re: Dave Benson's New DSW Rig, Another Beta Builder Report  
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 55) [39738] Re: Parts ID  
by "Radman" <radman@best.com>
- 56) [39739] Motorola Bails Out of RF Bipolar Power Market  
by Chris Trask <ctrask@primenet.com>
- 57) [39740] Re: Launching Antennas  
by "Carl Zmola" <zmola@campbellsci.com>
- 58) [39741] New Products at Morse Express  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 59) [39742] Re: Index Labs QRP+ repairs?  
by Jim <w7ls@blarg.net>
- 60) [39743] Huge sigh of relief in California and New Mexico  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 61) [39744] Re: Regen Contest  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 62) [39745] Charge Battery  
by Jim Stafford <w4qo@America.net>
- 63) [39746] AR QRP Net results  
by Robsparks@aol.com
- 64) [39747] camping info  
by "Mike W. Burger" <mike@gold.chem.hawaii.edu>
- 65) [39748] Re: NEW (?) questions about regens (and Dave's FreqMite)  
by "Mike Silva" <mjsilva@jps.net>
- 66) [39749] SWL DSW rig  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 67) [39750] Re: QRP Classics

- by "Mike Czuhajewski" <wa8mcq@erols.com>  
68) [39751] W7El Optimized Xcvr article  
by Allan G Taylor <k7gt@arrl.net>  
69) [39752] Re: QRP Classics  
by "KQ6XY" <kq6xy@golldrush.com>  
70) [39753] Results of the MAY SPARTAN SPRINT  
by "Russ Carpenter" <russ@natworld.com>  
71) [39754] For Sale: Kenwood Station Monitor SM220  
by "George Goodroe" <goodroe@worldnet.att.net>  
72) [39755] Ten-Tec PM3A for sale  
by STATE SYSTEMS RADIO INC <statesystems@compuserve.com>  
73) [39756] tx into dummy load but not real antenna  
by PUNISHER3@aol.com

-----  
Date: Wed, 05 May 1999 18:18:26 -0500  
From: Jay Freeman <jayFreem@direcpc.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39684] 15 meters improving  
Message-ID: <3730D1C2.C6E7E5A2@direcpc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Howdy,

Well 15m is picking up. I worked 5 qso's today, 2 CAs, 2 AZs and C08LY, who gave me a 5NN and 73. Maybe that's all that's safe for those guys to say to us? I don't know, I've never worked Cuba before, pretty exciting doing it qrp!

I also heard way down in the noise, somewhere near 21.060, ZL1BSG. Unfortunately, he could not hear me :). Maybe next time.

73 es good qrp.

Jay Freeman - WT9S

-----  
Date: Wed, 05 May 1999 20:09:36 +0000  
From: Michael Neverdosky <MichaelN@cycat.com>  
To: qrp-l mailing list <qrp-l@Lehigh.edu>  
Subject: [39685] Re: Antenna Launching - Questions

Message-ID: <37309770.5E99CCDD@cycat.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Throw bags are designed to feed the line out of the bag as it goes. You hold the end of the line, open the top of the bag a little and throw.

To reload you simply stuff the line in starting from the bag end.

Throw bags are standard fare for boaters on moving water but the boat version has a foam insert for floatation and costs more, probably because it uses larger, stronger line and because boaters will pay more. :-))  
On top of that, a boaters throw bag is used to save lives, not just get something up a tree.

michael N6CHV

henryf@quartz.gly.fsu.edu wrote:

> > 2. How do you lay out the line so it doesn't snag itself or pick up  
> > twigs as it  
> > unwinds.  
> >  
>  
> I haven't used it yet but the bag came with some fairly stiff  
> polypropylene. Just lay it out before you throw it I guess.  
>  
> >  
> > 3. How do you (quickly and accurately) rewind the line after a missed  
> > throw?  
> > Hint: I don't want to carry a big plastic bucket in my backpack.  
> >  
>  
> Gather it up I guess. I just got the package and I haven't had it out in  
> the field yet. Does not look all that difficult.  
>  
> >

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Date: Wed, 05 May 1999 18:36:40 -0600  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: jamesd1@flash.net, qrp-1@lehigh.edu  
Subject: [39686] Re: Discussions with 5 Great Living Hams (long)

Message-ID: <3730E418.4E50ACBD@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dr. Kraus also is a preeminent radio astronomer, developing the radio astronomy observatory at OU, and authored the book The Big Ear. I think he may have set a lot of the standards for antennas, radio astronomy and other theories others are still trying to catch up.

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso,(FAR WEST) TEXAS

-----  
Date: Wed, 5 May 1999 17:52:58 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Ray Colbert <af852@rgfn.epcc.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39687] Re: Discussions with 5 Great Living Hams (long)  
Message-ID: <Pine.BSI.3.96.990505174924.1590A-100000@usr05.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 May 1999, Ray Colbert wrote:

> Dr. Kraus also is a preeminent radio astronomer, developing the  
> radio astronomy observatory at OU, and authored the book The Big Ear.  
> I think he may have set a lot of the standards for antennas,  
> radio astronomy and other theories others are still trying to  
> catch up.  
>

I recently purchased a copy of "Antennas" by Kraus. I already had a copy, but this one was advertised as having his signature plus an inscription. I bought it for the signature, and didn't bother to ask about the inscription.

It had been presented to Jim Fisk, the publisher of Ham Radio Magazine.

The book is now carefully stored.

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    /   What's all this   \
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## Circuit Design for the RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Wed, 5 May 1999 19:12:25 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [39688] RE: Antenna Launch method  
Message-ID: <19990505.210420.-276587.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

hi guys

I have found the rod and reel, especially the open face reel.... works just great... doesn't require much weight to be used..... gets u up 40 to 50 ft. without a hassle...

I've been using a small rock I covered with electrical tape (to secure the string)... and ten to 15lb test line....

People may get a bit worried when u pull out a sling shot, or bow and arrow....or start heaving a heavy jug around.... but they start smiling at u when they see u "fishing" in the trees...

joel kella  
in maine  
tree fisherman from louisiana, a cajun tradition...

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-----  
Date: Wed, 05 May 1999 20:58:55 EDT  
From: w4pj@w4bkx.ampr.org  
To: adam@battleaxe.net  
Cc: qrp-l@lehigh.edu  
Subject: [39689] Definition of QRP  
Message-ID: <66841@w4bkx.ampr.org>

First, "Q" signals are used in CW (Morse code) transmissions to shorten a commonly used phrase or sentence. Some operators like to use them on phone but doing that is unnecessary if all parties understand plain language. Now, the definition of "QRP?" is "Shall I reduce my power?" It is the opposite of "QRO?" "Shall I increase my power?" The general idea of QRP operations is to follow rule #1 of ham radio and use minimum power necessary for reliable communication and the accepted limit is 5 watts on CW and 10 watts on SSB Peak Envelope Power output. Remember that 10 watts PEP is only 7.07 watts RMS. (A lot of QRO ops forget the 1500W PEP limit is only 1060.5 watts RMS, but I digress) Some QRPers are devoted to only running low power, but some of us are not that strict on ourselves. I personally have been known to run 1KW+ when necessary for reliable communication - especially when passing traffic from a disaster area etc. I also believe in using the lowest loss transmission line and high efficiency antennas - beams where feasible. Some others prefer the lightest weight and ease of use for backpacking etc. I guess the common denominator among QRPers of any ilk - HAVE FUN! Something you will find plenty of here on QRP-L.

de Scott / W4PJ DXCC WKD/CFMD=319/313 QRP-L #1585 Ft.Lauderdale,FL

-----  
Date: Wed, 5 May 99 21:34:02 -0400  
From: Dave Curry <kb8tt@ncweb.com>  
To: <MichaelN@cycat.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [39690] Re: Antenna Launching - Questions  
Message-ID: <199905060137.VAA06341@ds2.ncweb.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

>Throw bags are designed to feed the line out of the bag as it goes.



>You hold the end of the line, open the top of the bag a little and  
>throw.

>

>To reload you simply stuff the line in starting from the bag end.

I use a roll of lightweight nylon cord (available in hardware dept. of Kmart and most other discount stores). I just strip off about 50 ft of cord on the ground, and throw the rest of the roll of cord over the tree limb--the cord unwinds from the roll as it falls, eliminating snags. It's also easy to rewind if you miss.

Dave  
KB8TT

-----  
Date: Wed, 5 May 1999 19:14:08 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [39691] Re: Half watt IC TX - Finding the chip  
Message-ID: <19990506021408.6240.rocketmail@web701.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I dont know if the 74HCT240 is the same or not, sorry.  
Maybe one of the QRP-L group has a clue? :-)

If I'm not mistaken, the N7KSB half watt CW XMTR uses  
the same IC as Ori designed into the 38 Special.

I think I bought my chips from Mousers or one of the  
popular elektronik catalogs. Wish I could be more  
helpfull.

When you do find a source, you might want to buy 2 or  
3  
as the price isnt too bad, and there may be a minimum  
order.

Just in case you forget & hook up 12 volts by mistake!  
hi The max is around 7v I think. If your a carefull  
person, you can use the extra chips to build several  
rigs for diferent bands.

Made to order milliwatt QRP rig!

have FUN! de Jim KJ5TF Trustee for NQ5RP

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I'd like to put together one of the IC transmitters.  
I should have most of  
the parts in my meager junk box, except for the IC. I  
looked in the Radio  
Shack catalog and they don't carry the 74HC240.  
However they do stock the  
74HCT240. Would this chip work in the circuit? And  
what's the difference  
between the two?

72 and thanx!  
Matthew KC0AYG Ames, IA

---

Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

---

Date: Wed, 05 May 1999 22:15:03 -0400  
From: Ed Kessler <edkess@epix.net>  
To: qrp-l@Lehigh.EDU  
Subject: [39692] RP6 Callsigns?  
Message-ID: <3730FB27.CEA814C4@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello everyone:

Worked two RP6 stations with my QRP+ (5 watts) on 20 meters tonight.

Can anyone help me identify their QTHs?

I'm sure their Russian, but why RP??

Thanks  
Ed,AA3SJ

---

Date: Thu, 15 Apr 1999 09:23:02 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [39693] Help

Message-ID: <00eb01be874b\$7a3bf800\$6119dfd1@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi All, I have just finished building a SWL40+. And was wanting to know if there is anybody in the Humble,Kingwood,Houston Texas area that could help me align the rig?? I have no other radios to do this with.

Thank you

Charles

-----  
Date: Wed, 05 May 1999 18:29:39 -0700  
From: russ behm <russbehm@silcom.com>  
To: qrp-1@lehigh.edu  
Subject: [39694] FS: Ten-Tec Argo QRP Xcvr  
Message-ID: <3730F066.2A85@silcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just in time for FD, I offer a Ten-Tec Argo transceiver, model 556 for sale. This is the QRP version of the Scout, simple to operate, and has the Jones filter. It includes 3 plug-in band modules (80, 40, 20m), noise blanker installed, 701 hand mic, 296 mobile mounting bracket (unopened), and manual. Condition is excellent, never used mobile, original owner.

Additional plug-in band modules are available from Ten-tec to personalize the rig per your preference.

I would like to sell as a package, asking price is \$395 plus shipping.

Thanks for your interest,

Russ, WB6UER  
805 687-1853  
Santa Barbara, CA

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Date: Wed, 5 May 1999 20:30:42 -0700  
From: "Dan Trigilio" <danjt@cruzio.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [39695] Thanks to K4MSW  
Message-ID: <000501be9770\$d49c58a0\$8389e3a5@n1dtscomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Todd, Thanks for posting the solutions for your problem with the ZM-2. I was about to give up on this tuner. It seemed to tune, but I could not get the LED to go out. When I read your suggestion about putting some shrink tubing around the tuning cap shafts I started thinking.... well, you know where that leads.... I disassembled the unit and put shrink tubing around both shafts...Guess what, this little tuner works great. Now I wish I had known about this fix last week, before I went on a camping trip last weekend. Anyway, thanks for sharing your findings with the group. On another note, I will be making my first trip to Dayton this year and I hope to meet many of you fine folks there.

GL es 73, Dan W6DAN  
Capitola, CA

-----  
Date: Wed, 05 May 1999 20:54:25 -0700  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: QRP-L <qrp-l@lehigh.edu>, elecraft list <elecraft@qth.net>  
Subject: [39696] Gotta Brag  
Message-ID: <37311271.895D6491@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Guys,

I just gotta brag. My XYL just doesn't get this, I'm dancing up and down and all I get is the "Uh Huh".

I just worked T22TK on 15M, then 3B8/DL2HZM on 20M with my K2 and 5W.

The T22 was working a pile and split up 5kHz. The split functions on the K2 are great. I just love this rig.

BTW The other day I hooked the K2 up to my computer and was receiving PSK31. With the narrow filter I was copying 100%. Can't wait for the sideband adaptor so I can TX it.

--

73 de AC6KW <mailto:grudin@vdbbs.com>  
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

-----  
Date: Wed, 05 May 1999 23:31:20 -0500  
From: sholisky@ktca.org (Scott Holisky)  
To: qrp-l@lehigh.edu  
Subject: [39697] Re:Antenna Launching - Questions  
Message-ID: <fc.000f548a0044bca1000f548a0044bca1.44bcab@ktca.org>  
MIME-Version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

You guy's have got my belly achin'...what good stories...

So the Scouting Campout season starts Friday nite here ( N.of St.Paul, MN) and I've been busy preparing the essentials for the event. Present thinking is the ol' trusty HW-8 will take the rights. Maybe 40 or 20 depending on how this weather front moves.(Maybe nothing if the rain doesn't let up)

My antenna launching has solidified on a soft rubber baseball, wrapped with nylon kite cord. Once in position I tie the 1/8" nylon cord and haul up the dipole. Maybe the advantage is that I can enlist some of those young arms into the throwing...:) Oh and yes do lay the cord out before launching.

Ah Scout Camping...Last summer we moved a bear trap so I could set up shop...gotta believe something is wrong here, but, what a great location for the antenna! Of course the bear came back. Must of thought transistors smelled "funny", as she snorted and moved on.

I'm trying to visualize how a water bottle would look hanging from a branch after wrapping itself around three times? Maybe I should try it...

72's - look for me after bed time :) Scott N0AR Vadnais Heights, MN

-----  
Date: Wed, 5 May 1999 21:40:28 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: no5w@flex.net (Charles W. Sanders)  
Cc: qrp-l@Lehigh.EDU  
Subject: [39698] Re: ARCI Log Format  
Message-ID: <199905060440.VAA01759@usr02.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Howdy Chuck (and Folks),

Very sorry for the long delay. Been REALLY bogged down with work deadlines since I got home from ID/MT. (Many thanks to Team AB7\*T\* Critters Bob (AB7ST) and Randy (K7TQ ex-AB7TK) for the shelter! The ancient Greeks would be proud of your "traveller host ethic"! :-) )

Need to crush a few more deadlines at work, and churn out the results of a few contests, then I'll write up an epic tale of the K7TQ-AB7TT/7 adventure on the ID/MT state line. :)

Chuck (N05W - snappy CW call!) wrote:

>  
> Joe - aka ARCI Large Contest Critter  
>  
> Have seen the Summary Sheet format but how about the format for the log  
> itself? Wanna make your work as easy as possible. Pardon the BW.

Thanks! All help is \*greatly\* appreciated! :) ASCII text is always best (as a MIME attachment or otherwise). The layout of the data isn't critical as far as appearance, as long as I can somehow decipher it. I'm flexible. :)

I'll be scarce through the rest of the week - gotta work to pay those bills - but hope to catch up on QRP-L traffic soon. If it's a crisis (the Spice Girls get back together, etc. ;-) ), email direct and I'll do my best.

Take care and have fun, all!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

-----  
Date: 6 May 1999 00:08:10 -0500  
From: "rohre" <rohre@arlut.utexas.edu>  
To: qrp-l@lehigh.edu  
Subject: [39699] Anyone in Texas ordering K2?  
Message-ID: <n1286173139.57887@msmailgw1.arlut.utexas.edu>

Any folks ordering the portable K2 kit?

Please reply by private email, not to the list.

Thanks,  
Stu  
rohre@arlut.utexas.edu

-----  
Date: Wed, 5 May 1999 23:58:26 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [39700] Re: Coils for Regens: some numbers  
Message-ID: <Pine.SUN.4.10.9905052228030.23217-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
This talk of winding your own coils is interesting, and decided to wind some coils tonight on some weird forms, measure the inductance, and the info is shown below.

Several have suggested using 1" PVC pipe or around old tube bases. A far more available coil form I have used with good success are the 35-mm plastic film canisters. They are 1.25" dia. If you don't have any, just go to your local, friendly one-hour photo development place and ask for a few. I did that tonight at Furr's grocery store, at their 1-hour photo lab, and the lady gave me a bag of about 100 of them! She said they fill up a bag and toss them out every night. Just to mak sure we're talking the same language, these are the little plastic/rubber cans, with a lid,

a roll of 35-mm film comes in. Not the metal thing with the film in it you stick in your camera.

#### COIL WINDING DATA FROM THE NA5N WORK BENCH

-----  
(Your mileage may vary)

First, the equation for calculating the inductance of an open air coil is:

$$L(\text{uh}) = d \cdot d \cdot n \cdot n / 18d + 40x \quad \text{or} \quad d^2 \cdot n^2 / 18d + 40x$$

Where: n = number of turns

d = coil form diameter in inches

x = length of the windings (not length of the form)

Example: 20 windings of a 35mm film can, using #22 hookup wire, takes up 1.3" length on the form, and the form diameter is 1.25".

$$\begin{aligned} L(\text{uh}) &= (1.25 \cdot 1.25 \cdot 20 \cdot 20) / (18 \cdot 1.25 + 40 \cdot 1.32) \\ &= 625 / 75.3 = 8.3 \mu\text{H} \end{aligned}$$

This is based on free air, and the slight dielectric material in the plastic can and the wire insulation will make the inductance slightly higher from that calculated.

#### COIL #1 - 35mm Film Can, d=1.25"

-----  
WIRE: #22 insulated hookup wire  
.06" O.D. with insulation

---- Inductance ----

n=	x=	Calculated	Measured
22	1.50"	9.6uH	10.0uH
20	1.32"	8.6	9.0
15	1.05"	5.7	6.0
12	0.88"	4.1	4.3
10	0.66"	3.2	3.4

WIRE: #26 solid wire wrap wire  
.028" O.D. with insulation

---- Inductance ----

n=	x=	Calculated	Measured
22	.63"	16.4uH	16.5uH
20	.55"	14.5	14.3
15	.44"	9.1	9.2
12	.33"	6.5	6.6
10	.28"	4.8	4.9

Figure x=~0.07" per turn

Max turns on coil: ~25

Figure x=~.03" per turn

Max turns on coil: ~50-55

NOTE: Inductance from the #26 insulated wire wrap wire was about the same as using #24-26 enameled coil wire.

#### COIL #2 - BIC Pen Shaft, d=.31" (5/16")



Wound on a BIC pen, with the hexagonal plastic shafts. It works!

WIRE: #26 solid wire wrap wire

n=	x=	---- Inductance ----	
		Calculated	Measured
30	.88"	2.1uH	2.5uH
22	.63"	1.5	1.8
20	.56"	1.4	1.7
15	.44"	0.9	1.2
10	.32"	0.5	0.8

WHAT DO YOU DO WITH THIS?

For building your regen (or any tuned circuit), you can use a 35-mm film can and the wire/turns shown above to wind a coil for the inductance you need. Such a coil will have a lower Q than using a toroid obviously, but still works fine. It's how they did it in "the old days." :-)

I've built a couple of regens using the 35mm cans by mounting the cap on the circuit board with a sheet metal screw or 4-40 bolt/nut. Wind the coil, hold it secure with electrical tape, and just pop the can into the mounted lid for mounting and solder the wires where they belong. (Haven't figured out how to make "pluggable" versions yet for easily swapping the coils).

BE YOUR OWN ENGINEER.

Say you have a variable capacitor that tunes from 50-200pF. By plugging the values into the equation for resonance with different inductances, you'll see what the tuning range of your regen receiver will be. And that equation is:

$$F_r = 1 / 6.28 * \text{SQRT}(LC) \quad \text{where } 6.28 = 2\pi$$

HINT: Write a quick program to do this with your spreadsheet program!  
Just plug in L, Cmin and Cmax to calculate Fmin and Fmax.

EXAMPLE: For L=10uH and Cmin=50pF and Cmax=200pF  
 $F_{\min} = 1 / 6.28 * \text{SQRT}(.00001 * 50 \text{EE}-12) = 7.12 \text{ MHz}$   
 $F_{\max} = 1 / 6.28 * \text{SQRT}(.00001 * 200 \text{EE}-12) = 3.56 \text{ MHz}$

Gee, 80-40M in a clean sweep!

And by rearranging to solve for either C or L for a wanted frequency you get:

$L(\mu\text{H}) = 25400 / F(\text{MHz})^2 * C(\text{pF})$       where,  $F(\text{MHz})^2 = F$  "squared"  
and,  $C(\text{pF}) = 25400 / F(\text{MHz})^2 * L(\mu\text{H})$

EXAMPLE: For the 9.0-10MHz SW band with 100pF cap, what inductance do you need? (Calculate for Fmin = 9MHz)

$$L = 25400 / 9.0^2 * 100 = 3.1\mu\text{H}$$

Therefore, if using the 35-mm can coil, you'd need 10T using #22 wire, or about 8T using #24-26 coil wire.

EXAMPLE: You have a really nifty, hi-Q 4.7uH peaking coil. What capacitor do you need for 7MHz?

$$C = 25400 / 7.0^2 * 4.7 = 110\text{pF} \quad (\text{Available soon in the upcoming NorCal Capacitor kit!})$$

If you wind some coils on weird forms like these, post it to qrp-l.

HOMEWORK ASSIGNMENT: Years ago, the popular variable capacitor for AM radios was a 365pF open-air variable (65-365pF). A popular project was building a crystal radio using one of these, and winding a coil on a spent cardboard toilet paper tube. Assuming you are using #26 wire (with .03" per turn), what inductance do you need, and how many turns of wire on the toilet paper tube do you need to get this inductance?

(If you don't have a roll of toilet paper in your house to measure the diameter, we don't want to hear about it!)

You CAN use a calculator, slide rule, abacus, Cray MX-P, Lotus 1-2-3, SPICE, fingers, etc. Indicate "slide rule accuracy" however. (Little joke for us old pre-calculator types!)

Winners will receive free admission to HamComm :-)  
(Travel and lodging not included)

Happy coil winding, and have fun.

72, Paul NA5N

-----  
Date: Thu, 06 May 1999 17:49:02 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [39701] 74HCT240  
Message-ID: <3731496D.84022B26@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Jim asked a question about 74HCT240. According to my 1984 National Data book (O.K. everything of mine is 15 - 25 yrs old - but to me that's yesterday) the main differences are in the a.c. electrical characteristics. where the specs are slightly degraded, mainly propagation delay e.g. 30ns Vs 25ns for HC.

In short Jim suck it and see.

73's

Ian

-----  
Date: Thu, 6 May 1999 00:34:24 -0500  
From: "C. M. Tyler" <k5gq@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [39702] Rufz in DOS (Windows 98)  
Message-ID: <19990506.051202.-832315.10.k5gq@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am having a problem with the sound card in the pure DOS mode. (Not in a DOS box.)

I am not sure that the card (MagicSound 16) will operate in pure DOS. Configuration file(s) should be where ? autoexec.dos

Mark  
K5GQ  
qrp-L 794

-----  
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-----

Date: Thu, 06 May 1999 00:46:58 -1000  
From: Peter Demmer <ampruss@hits.net>  
To: w5tb@SoftHome.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39703] Re: Antenna Launching and the Portable Doublet  
Message-ID: <37317322.1AF1@hits.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

W5TB wrote:

>

> >I sure like Joe's idea of using a water bottle to launch an antenna wire...  
Snip ....

Peter wrote;

the secret to the fishing reel line launcher is in the type of reel.  
The best ever is the Zebco. Why? The line feeds out through a nose  
cone. Mount one of these (I was informed they are primarily used for cat  
fishing) hummers U-bolted to the underside of a scrap of aluminum plate  
(about 4"wide and about 8 to 10" long. Also clamp the foldable handle  
Y-yoke assembly also to bottom of the plate behind the reel. Draw the  
10 to 15# line and 15 oz (max) up over the top of the plate. Center  
the weight in the leather pouch. Release the reel running drag stop.  
Carefully draw back, aim and let her fly. We have picked the limb and  
lofted this messenger line up, between and over some 90 feet aloft. FD  
FD FD. Aloha, de KH6CTQ

-----  
Date: Thu, 06 May 1999 07:26:10 -0400  
From: mikemo@ibm.net  
To: qrp1 <qrp-1@lehigh.edu>  
Subject: [39704] Link Coupled tuner and the "big" coil  
Message-ID: <37317C52.8963DAB3@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks for all the advice on winding the "big" air core coil I needed  
for the link coupled tuner. It was suggested to use bare copper wire  
instead of enameled so the glue would stick to it. If anyone is curious  
here is how I wound the coil.

First, get to know a machinist. You will need them ;-). I got a piece of 2 1/4" O.D. heavy pvc pipe about 2 feet long. My machinist friend cut a pipe thread on the outside of the pvc, 8 turns per inch, and also cut four 1/4" slots going 2/3 the way down the pipe. This allows you to collapse the form to remove the coil when you are done. He also made me a piece of plastic that fit perfectly inside the pvc pipe to hold the sides out while winding and drying the coil. Insert the plastic core into the pipe, then wrap the outside of the pipe with a layer of wax paper (stops the glue from sticking to the form). Calculate the length of wire you need and cut it, put one end in the vise and start winding TIGHT. When it is wound insert the ends of the wire down into the slots to keep the coil from unwinding (it will ;-). I used Duco cement (Walmart) to glue the coil. I ran a bead down along each slot that was cut into the form. Let each one dry for a while before turning the coil and doing the next one. Don't be stingy and use a lot of glue. Let it dry for 24 hours. Remove the center plastic spacer, collapse the form and remove the coil. Tear the wax paper out carefully. With the coil out of the form I ran another bead of Duco cement on the inside of the coil where each bead was and let dry for another 24 hours.

The coil looks great, the spacing is perfect and it is fairly strong, with no coil form to mess up your Q. I've tried other methods, spacing with another wire etc. , but just could never get the coil looking really nice, like those B&W \$100 a foot coils. This worked really well.

I cobbled the tuner together on my bench and tried it out quickly last night on 80 meters, loading my 40 meter dipole that is fed with 450 ladder line. It worked wonderfully, was easy to tune and had NO BALUN!

I hope this helps someone else who is trying the same thing. Let me know if you have any questions. Thanks for reading.  
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

-----  
Date: Thu, 06 May 1999 06:58:57 -0500  
From: sda <sda@bellsouth.net>  
To: qrp-1@Lehigh.EDU  
Subject: [39705] ZM-2 + HM-9 = QRP Tuner/SWR/Wattmeter  
Message-ID: <199905061158.HAA29699@mail2.lig.bellsouth.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Love the Emtech ZM-2. Love the Heathkit HM-9.  
Love the NC-20 metal box. Hmmm. <headscratch>

As much as I hated to disassemble the HM-9

because it is a classic, I did it last night.  
Will be measuring, pondering, and piddling  
with this project for the next few weeks  
(as time allows). My goal is to install the  
HM-9 SWR/Wattmeter guts + ZM-2 Tuner guts into  
a blank NC-20 case. If all goes well, I should  
have a very nice QRP Tuner/SWR/Wattmeter  
all-in-one in a case that matches my NC-20.

Any comments, suggestions, warnings? ; -)

Thanks,

Todd "Never Satisfied" Atkins, K4MSW  
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

-----  
Date: Thu, 6 May 1999 06:14:25 CDT  
From: James R Giammanco <n5ib@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [39706] 74HCT20 vs 74HC240  
Message-ID: <19990506.061426.6543.0.N5IB@juno.com>

I recalled, and just looked up, a note from Paul, NA5N, about these two  
chips with reference to the 38 Special.

He noted that the HCT part has a 6.5 V spec(HC part can run at 8 V) and  
lesser drive capability when the outputs are paralleled. His comment,  
for the 38 Special, "In short, it doesn't work."

I presume those comments are equally applicable to the one-chip xmtrs...

72,  
Jim N5IB

-----  
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or call Juno at (800) 654-JUNO [654-5866]  
-----

Date: Thu, 06 May 1999 15:47:56 +0300  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: n5ib@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39707] Re: 74HCT20 vs 74HC240  
Message-ID: <37318F7C.2393@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

James R Giammanco wrote:

>  
> I recalled, and just looked up, a note from Paul, NA5N, about these two  
> chips with reference to the 38 Special.  
>  
> He noted that the HCT part has a 6.5 V spec(HC part can run at 8 V) and  
> lesser drive capability when the outputs are paralleled. His comment,  
> for the 38 Special, "In short, it doesn't work."

The T means TTL compatible output. I think this explains the low Vcc rating (6,5 Volts is probably absolute max.) and if the HCT outputs are anything like original TTL logic outputs, they will not source much current at all. TTL outputs sink current quite well. Meaning that when the output is low, current can flow INTO the output, but when it is high, you cannot draw nearly as much current FROM the output. CMOS is different, more 'symmetrical'.

my 2 cents,  
73  
--

Arjen Raateland  
Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0350

-----  
Date: Thu, 06 May 1999 12:47:18 +0000  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
To: mike@gold.chem.hawaii.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39708] Re: solution to Antenna Launching  
Message-ID: <37318F56.3FD2EDEC@royac.iac.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi,

I use a short piece of weaker line between the throwing line and the weight. In that way, if the weight get snagged and I have to pull on the throwing line, the thin line breaks and the weight normally just falls to the ground. The throwing line can the be pulled back easily.

73

Goran ea8yu

"Mike W. Burger" wrote:

> Nothing is worse than a line that goes up into the tree  
> and does not come down, followed by a careful pulling back that

-----  
Date: Thu, 6 May 1999 08:53:58 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: fantbb@yahoo.com, qrp-1@Lehigh.EDU  
Subject: [39709] QRP CW rigs for RTTY or PSK31?  
Message-ID: <19990506.085407.-67057.1.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jeff and Group,

>My ears perked up.

Mine too --jk--

>Is it possible to run RTTY or PSK31 on one of  
>those rigs?

Yes, you can run (transmit) FSK RTTY with most "varactor" tuned CW only radios. Most receiving stations can not tell the difference between FSK RTTY or AFSK RTTY. In fact receiving FSK RTTY offers both a noise and bandwidth advantage over AFSK RTTY.

Yes, you can receive and "print" ("decode", software required) FSK RTTY, AFSK RTT and PSK31 with "CW only" radios.

But, to transmit PSK31 or AFSK RTTY you will need a SSB radio.



See "RTTY with a SIERRA" at  
>>[<<](http://www.psnw.com/~kd7s) ..tnx agn Bill, KD7S -jk-..  
for an FSK RTTY "how to" get you started article with schematics.  
HamComm (tnx to WF Schroeder, DL5YEC) is required to transmit and  
receive.

\*NOTE\* In that article I failed to discuss the fact that since RTTY is a  
100% duty cycle mode and CW is not, while operating RTTY, the final of a  
"CW only" transmitter "may" promote a heat (power dissipation) problem  
and may require attention.

While my Sierra has no problem running "key down" (RTTY) for more than  
ten minutes into a dummy load (power supply at 12.5 volts, original  
final, original heat sink) there are many other variables one must  
consider.

If you think running QRP (any mode) is a trip... try milli Watt QRP...  
but remember...  
...FYI... to be "accurate" (as advertised) the attenuator MUST SEE (look  
into) the correct RESISTANCE at BOTH ends. A true "inline" Watt meter  
may reveal that your (MY) "10 dB" as advertised attenuator (one order of  
magnitude, 5 W to 500 mW) is really (because of the  
"mismatched-mismatch") 16 dB (5 W to apx. 100 mW) :>) OR it could be  
only 6 dB (5 W to apx. 1.5 W) :<((

Ten meter RTTY is a "trip" too!

PSK31 is yet another trip, on any band,  
it is truly a weak signal mode! ..tnx agn Peter, G3PLX -jk-..

John  
N3AAZ  
FM19xa  
.

---

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---

Date: Thu, 06 May 1999 09:01:32 -0400  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: k5gq@juno.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [39710] Re: Rufz in DOS (Windows 98)  
Message-ID: <4.1.19990506085621.014ca7a0@192.0.0.1>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have had some problems with RUFZ and 95/98/NT - works on some PC's and not on others. It may be 1) the PC 2) the O/S 3) me!

A decent alternative that will run in RUFZ mode is PileUp! It will also simulate a pileup of several stations sending their call at once.  
<http://www.babbage.demon.co.uk/radio.html>

73 Hank K8DD

At 12:34 AM 5/6/99 -0500, C. M. Tyler wrote:  
>I am having a problem with the sound card in the pure DOS mode. (Not in a  
>DOS box.)  
>I am not sure that the card (MagicSound 16) will operate in pure DOS.  
>Configuration file(s) should be where ? autoexec.dos  
>  
>Mark  
>K5GQ  
>qrp-L 794  
>  
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-----  
Date: Thu, 06 May 1999 06:06:02 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [39711] Folding bail for small rigs  
Message-ID: <199905061301.GAA27896@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Some time ago, there was a short discussion on a way to make a folding bail, or stand, for small rigs like the Sierra. I pondered on this for awhile, then forgot about it.

While cleaning out part of the garage, I found an old RC model transmitter, with a folding bail on it. Disassembled the xmtr (some good parts inside there), then used the case as a template to determine hole placement and size, drilled into the bottom of the Sierra (ouch!), fashioned another bent wire piece, as the original stood the rig too high, mounted the whole

shebang and there it was.

The bail folds back flat along the bottom of the case, then pulls forward to provide just the right angle for viewing the display. If I ever get my digital cam going again, I'll provide pics on my page.

So, some of that old junk is useful, after all. If you can find one of these transmitters (this one was a Cirrus 900), pick it up cheap and use the parts out of it for qrp stuff.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Thu, 06 May 1999 09:07:33 EDT  
From: w4pj@w4bkkx.ampr.org  
To: edkess@epix.net  
Cc: qrp-1@lehigh.edu  
Subject: [39712] Re: RP6 Callsigns  
Message-ID: <66925@w4bkkx.ampr.org>

Ed wrote: ..."help me identify their QTH..."  
A couple of years ago I downloaded a copy of:

TERRITORIES, PREFIXES AND SUFFIXES OF THE FORMER USSR.

=====

Compiled by Oleg Chernozymov, UA4CIF, 31 March, 1995

Text corrections and additional information by RW3AH, Dec. 24th 1995.

-----  
Source: "Amateur Stations of the former Soviet Commonwealth"  
by RA6YR, 1995.

<snip>

It has been invaluable and my hardcopy is getting quite dog-eared <g>  
In general, the Prefix letters U and R are interchangeable.

-----  
Kazakhstan UN

=====

UN ordinary licenses

UP For special event licenses

Suffixes XA - XZ Emergency services

UN1, U0, UQ In reserve

One-letter suffixes: Extra license  
Two-letter suffixes: I Category  
Three-letter suffixes: 2, 3, 4 category

Oblast identification by the 1st letter of a suffix:

A	Mangistauskaya oblast	Mangistau
B	Akmolinskaya oblast	Akmolinsk
C	Severo-Kazakhstanskaya oblast	Petropavlovsk
D	Semipalatinskaya oblast	Semipalatinsk
E	Kokchetavskaya (Kokshetau) oblast	Kokchetav
F	Pavlodarskaya oblast	Pavlodar
G	Alma-Ata (Almaty)	
I	Aktyubinskaya oblast	Aktyubinsk
J	Vostochno-Kazakhstanskaya oblast	Ust' Kamenogorsk
K	Kzyl-Ordinskaya oblast	Kzyl Orda
L	Kustanayskaya oblast	Kustanay
M	Ural'skaya oblast	Uralsk
N	Chimkentskaya oblast	Chimkent (Shymkent)
O	Atyrauskaya oblast	Atyrau
P	Karagandinskaya oblast	Karaganda
Q	Alma-Atinskaya oblast	Alma-Ata (Alamaty)
R	Dzhezkazganskaya oblast	Dzhezkazgan (Zhezkazgan)
S	Leninsk (Baikonur)	
T	Dzhambul'skaya oblast	Dzhambul (Zhambyl)
V	Taldy-Kurganskaya oblast	Taldy-Kurgan (Taldykorgan)
Y	rgayskaya oblast	Arkalyk

-----  
<snip>

You didnt mention what the suffix was so here is the  
entire list for Kazakhstan

de Scott / W4PJ

-----  
Date: Thu, 06 May 1999 13:12:21 +0000  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
To: qrp-l@lehigh.edu  
Subject: [39713] It has been said before,  
Message-ID: <37319535.9B3107BD@royac.iac.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

but can stand repeating. This group is a fabulous collection of people with their hearts and soldering irons in the right places!

My request for finding the address to the manufacturer of my broken manipulator resulted in a lot of mail with condolences and historical information (the place shutdown in the 70's). Several people even offered to fabricate the broken parts for me! So I will have my dear keyer back in use soon again, perhaps in time for the K2 which should be arriving in the Canary Islands soon.

Thanks everybody!

73

Goran ea8yu

-----  
Date: Thu, 6 May 1999 08:02:03 -0500  
From: "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>  
To: kd7s@psnw.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [39714] Re: Antenna Launching - Questions  
Message-ID: <v04011702b35741b2b071@[10.4.13.180]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>1. Do you try to throw the bag over handed (like a baseball) or do you  
>use the  
>"David" throw (as in David and Goliath)?

Personally I use an underhand throw

>2. How do you lay out the line so it doesn't snag itself or pick up  
>twigs as it  
>unwinds.

cool thing about the bag approach is that the line is inside the bag and plays out smoothly. We use similar ropes for whitewater rescue.

>3. How do you (quickly and accurately) rewind the line after a missed  
>throw?

recover the rope and coil it loosley behind you. Then holding the bag in

front of you at waist height you turn your back to where the rope is laying, feed the rope over your shoulder and into the bag. A little practice in holding the bag with the little and next two fingers while you use the thumb and adjacent finger to feed the rope into the bag is all it takes. In under a minute you'll be ready for the next toss if needed.

You can easily make your own bag with a little shot or sand for weight and a drawstring at the top to hold the rope. Look at the bags at any canoe store and you'll quickly get the idea.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Thu, 06 May 1999 16:41:59 +0300  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: w4pj@w4bkx.ampr.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39715] Re: RP6 Callsigns  
Message-ID: <37319C27.54D0@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

w4pj@w4bkx.ampr.org wrote:

>  
> Ed wrote: ..."help me identify their QTH..."  
  
> In general, the Prefix letters U and R are interchangeable.  
> -----  
>  
> Kazakhstan UN  
> =====  
>  
> UN ordinary licenses  
> UP For special event licenses

The special occasion could be the anniversary of the end of WWII in Europe.

In the Netherlands the Nazis capitulated on May 5th, 1945. I think capitulation took place in all of Europe on that same day. This year's Liberation day celebration was subdued because of the war on Serbia.

73,

--

Arjen Raateland  
OH2ZAZ, ex-PAoSCS

Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0350

-----

Date: Thu, 06 May 1999 09:48:21 -0400  
From: jim seeber <kw3u@warwick.net>  
To: hamjoel@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39716] Re: Antenna Launch method  
Message-ID: <37319DA5.B00EC7A6@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Our club found rod and reel best but, used  
a bright flurescent tennis ball(easy to find amongst the  
critters in the bushes).

Jim

>  
>  
> I have found the rod and reel, especially the open face reel.... works  
> just great... doesn't require much weight to be used..... gets u up 40 to  
> 50 ft. without a hassle...  
> I've been using a small rock I covered with electrical tape (to secure  
> the string)... and ten to 15lb test line....  
>  
>

-----

Date: Thu, 06 May 1999 10:15:07 -0400  
From: "Kenneth W. Evans" <w4du@bellsouth.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [39717] Dayton/FDIM

Message-ID: <3731A3EB.65045F13@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

In addition to all the events at Days Inn South for FDIM, QRP ARCI is also hosting a QRP Forum at the Hamvention. It will be on Friday, May 14 in Room 2.

It will start at 8:45 AM with Jim Stafford, W4QO talking on "Getting Started in QRP".

At 9:30, George Dobbs, G3RJV, will talk on "QRP Construction".

Hope to see you all in Dayton!

72/3,

Ken

W4DU

-----  
Date: Thu, 06 May 1999 09:21:47 -0500  
From: "Ed Manuel, N5EM" <n5em@flash.net>  
To: qrp-1@lehigh.edu  
Subject: [39718] Dayton: Room-mate needed.  
Message-ID: <3.0.5.32.19990506092147.00973510@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Those going to Dayton. I have a room from Wed. through Sunday. I have a roommate for Friday and Saturday night.

Anyone needing a bed for Wednesday and Thursday (ONLY) please email privately. Of course, the floor is always available Friday and Saturday in the best tradition of low-budget hamfesting.

Ed

Ed Manuel, N5EM  
Houston, Texas

n5em@amsat.org  
atv@cq-vhf.com



-----  
Date: Thu, 6 May 1999 08:42:09 -0600  
From: "Draper, Bruce L" <draperbl@sandia.gov>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [39719] Index Labs QRP+ repairs?  
Message-ID: <5E4AEFEB3A86D21193710008C7A40A5A023C36C4@es05snlnt.sandia.gov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have a dead Index Labs QRP Plus. Is there a good place for service -- perhaps an ex-employee of Index who still knows how to bring these rigs back to life?

-Bruce, AA5B  
draperbl@sandia.gov

Please respond directly... I don't receive mail from the reflector.

-----  
Date: Thu, 06 May 1999 09:22:19 -0600  
From: Frank Ivan - K0FEI <k0fei@ibm.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39720] Re: Discussions with 5 Great Living Hams (long)  
Message-ID: <3731B3AB.DCB66A1C@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ray,

Actually Dr. Kraus is with Ohio State University (OSU). OU is one of the other state sponsored universities in Ohio - Ohio University. OU pretty much lives in OSU's shadow.

Yes Dr. Kraus built OSU's radio telescope called Big Ear for about \$250,000 in the 50's I think. It was a couple of huge horizontal

reflectors in a field. They mapped most of the sky in the late 60's. It has since been demolished, though I don't know why, and is being replaced with an array of lots of small antennas.

Dr. Kraus wrote the field theory text book we used in the EE program at OSU called simply "Electromagnetics". He last updated it in 1998. He also has a publication entitled "Antennas" which is probably the best work available explaining the theory of almost any type of antenna.

He is retired but still listed on the faculty of OSU (they have their directory online at [www.osu.edu](http://www.osu.edu)) and his home address is listed in Delaware Ohio which is about 30 miles north of Columbus and the OSU campus, but where the radio telescope was located. There is also a web site for the telescope, you can get to it from the OSU's web site but I believe it is [www.bigear.edu](http://www.bigear.edu) or some such.

FWIW I mailed him the series of articles from [www.antennex.com](http://www.antennex.com) about the crossed-field antenna. I figured if anyone can explain why it would or would not work he is the guy. I hope to hear from him on it sometime.

72 - Frank - K0FEI

Ray Colbert wrote:

> Dr. Kraus also is a preeminent radio astronomer, developing the  
> radio astronomy observatory at OU, and authored the book The Big Ear.  
> I think he may have set a lot of the standards for antennas,  
> radio astronomy and other theories others are still trying to  
> catch up.  
>

-----  
Date: Thu, 6 May 1999 09:30:25 -0500  
From: [pierce@rice.edu](mailto:pierce@rice.edu) (George F. Pierce)  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [39721] Need a ride  
Message-ID: <[v01510101b3575717f1f1@\[128.42.176.29\]](mailto:v01510101b3575717f1f1@[128.42.176.29])>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Arriving Columbus Friday @ 4:10 PM. Need a ride to Days End South. I have a car there. Will share expenses or whatever. Please!

George F. Pierce III  
WA5ABS M0BOD  
Email: [pierce@rice.edu](mailto:pierce@rice.edu)

-----  
Date: Thu, 6 May 1999 09:43:23 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [39722] NA5N Posting on Inductors for Regens  
Message-ID: <01be97df\$8f433480\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Excellent job Paul. This is the type of material that makes me read every posting on qrp-1. I am a teacher, and I recognize great teaching when I see it. Paul Harden is a master teacher and I suggest that everyone on the list print out Paul's posting and save it. It is an outstanding piece of work. Paul has that wonderful ability that all great teachers have, he can take a seemingly complex subject and break it down into its parts and make it seem simple and understandable.

Thanks for your efforts. 72, Doug, KI6DS

-----  
Date: Thu, 6 May 1999 11:51:03 -0500  
From: "Malcolm Bussey" <mbussey@gte.net>  
To: <qrp-1@Lehigh.edu>  
Subject: [39723] Stuff for Sale  
Message-ID: <000701be97e0\$a3184da0\$6077fed0@mals-computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Guys,

I want to sell my QRP+ (Index Labs). It is in really good shape--one small scratch on the face by the word Index-----flawless everywhere else. It has the latest version of firmware installed and new mixers. It has had very little use and none of it was mobile or out-of-doors. I will let it go for \$335 + shipping. I have the original box. My home number is 903-793-5745 and e-mail is mbussey@gte.net. QRP-L # 1847.

Malcolm Bussey

-----  
Date: Thu, 6 May 99 09:58:29 -0800  
From: Anthony Felino <anthony@pacinfosb.com>  
To: qrp-1@lehigh.edu  
Message-ID: <Chameleon.926010057.anthony@anthony>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know if the Regen Building Contest rules allow for the contestant not being present? And, if so, is there anyone that could take my entry to Texas? I'm in Santa Barbara, CA.

Thanks,  
Anthony, WN6Q

-----  
Date: Thu, 6 May 1999 11:05:29 -0600 (MDT)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: qrp-1@lehigh.edu, ki6ds@dpol.k12.ca.us  
Subject: [39725] qrpp  
Message-ID: <199905061705.LAA00548@rgfn.epcc.edu>

The winter 98 issue has arrived in Far West Texas, 6 may 99.  
Another super issue. Thanks all involved.  
Ray

--  
Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

-----  
Date: Thu, 06 May 1999 10:19:21 -0600  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [39726] Antenna Launch Method  
Message-ID: <3731C109.20A2@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPer's!

When we go to operate where there might be some people around we use the sling shot/Zebco 202 method of antenna launching. Is very effective and quiet. Just be careful and use eye protection, as the sinker, nut, rock etc., could come back and hit you...been there done that!

When we go out to the mountains and no one is around I use my homemade spud launching gun. Actually I don't use a spud for the projectile, and I quit using Hair Spray for the propellant. My latest version uses compressed air and I use a pill bottle for the projectile. Potato's if not properly placed, smash on impact and of course would not be re usable! No hash browns here!

I mounted a old cheapie Zebco 202 on the end of the spud gun. I attach a one ounce sinker to the line and drop the line in the pill bottle, add more ballast if needed, screw the lid on and shove it down the barrel.

This is by far the most accurate way I have found to get a line HIGH into a tree. Still, would like to add some sights and a silencer would be nice!

Have fun and be safe no matter what method of antenna launching one utilizes.

72, Tom WB5QYT..."Have spud will travel!"

-----

Date: Thu, 6 May 1999 10:35:00 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [39727] Dave Benson's New DSW Rig, Another Beta Builder Report  
Message-ID: <01be97e6\$c53c7ae0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I read Chuck's report on the new Digital VFO SWL kit that Dave Benson is coming out with very soon, and guys, I too, am a beta tester. First, let me say that it was an honor to be asked to be a beta tester, and it was fun for me to do. Chuck's report on how a product comes to life is very true and accurate. We do the very same process with NorCal, and it is expensive both in time and money. My review will not cover the same ground that Chuck did, he is the expert at writing reviews, and has already covered the basic material very well, so I won't repeat it here.

I got the package in the mail, and had to wait until the evening to start, and I could hardly contain myself. I built the rig in about 4 hours total building time, but was interrupted several times by phone calls, so the process stretched over 3 days.

My kit worked perfectly on startup, every part fits like it was made for it specifically, and the manual is typical Dave Benson, complete, well written and illustrated and easy to understand. I have made 3 qso's. The receiver is hot, it hears everything my ICOM 735 hears, even more, and it puts out exactly 2 Watts with 13.6V of power.

Operating the rig is a joy. Everything is here. All that you do is attach an antenna, power, headphones and paddles. The rig has a built in keyer, and it has a built in frequency annunciator. Both are invaluable tools to the QRP'er. Designers take note: I don't see how you can not include both of these features in your next design, it has become state of the art.

My board is mounted in a Bill Jones, KD7S plastic case, that is about 5" wide by 5" deep by 2" high. The unique thing is that it snaps together and has no screws. Front panel controls are, left to right:

RIT SWITCH

Keyer Button	AF Gain	Tuning
--------------	---------	--------

The back panel has left to right as viewed from the back:

Antenna	Power	Paddles	Headphones
---------	-------	---------	------------

When you power up the rig the VFO is on 7.040, the place I like to start with on 40. The DDS covers the entire band, and it tunes with a fast and slow rate that are easy to get used to. To read the frequency all that you do is push the tuning knob in, and it sends you the last 2 digits in CW at the speed that you have your keyer set. If you are in the Novice portion it sends 3 digits.

Guys, think of the value of this rig. For \$90 you get DDS VFO, Keyer, Frequency Counter, 2 Watts out, Hot receiver, and a fun kit. This one is a winner. It is very easy to build, similar to the SWL+ or the SST, but this is much more radio. The alignment is the easiest of any rig that I have

ever done.

How do I rate this kit and rig? Well, you know how you can tell quality when you see it? Remember the first time you ever saw Sophia Loren? How she literally took your breath away? That is what this rig is. My score is 10 out of 10. This one is a winner. Guys run, don't walk to the mailbox to order this rig.

When guys ask me which kit to buy, I used to have 3 recommendations depending on the class of rig and their experience. Now I have 4. If you are going to Hamcom and attend my forum session, I will be speaking on "What kit to buy, and why." I will give my recommendations and reasons why I reached the decision that I did. When I first prepared my talk, there were only 3 kits, now there are 4, and I'll give you a hint, two of them were designed by the same guy, and he lives in Newington.

Great job Dave Benson. The opinions expressed in this review are my own. You are free to agree or disagree at your pleasure. 72, Doug, KI6DS

-----  
Date: Thu, 06 May 1999 13:32:58 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: QRP-L@LEHIGH.EDU  
Subject: [39728] Launching Antennas  
Message-ID: <3731D24A.C79@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

For many years now I have used a Whammo slingshot to launch my antennas. I started using it when I was in the condo, launching a throw away "stealth" antenna once or twice a month. When I moved to the house I dug it out and again used it to launch my end fed wire up inot the trees.

I am a little confused about the weights you guys are using though. I laungh a monofilament line first, with only about 1/2 to 3/8 ounces of weight attached. I then pull up a piece of parachute cord with the monofilament and then the antenna wire itself. I find this method reduces the strain on myself and the weight. Frankly, I don't think I could launch a water bottle, thank God I don't have to!

Yes my method takes a bit longer, and it is more ideally suited to home

antennas than field antennas, but for maybe a pound of extra weight you reduce the chances of damage to yourself or others immensely. Am I missing something?

73

-----  
Date: Wed, 5 May 1999 22:18:07 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: "'QRP-L via PoP3'" <qrp-l@lehigh.edu>  
Subject: [39729] ZM-2 ATU  
Message-ID: <000501be9736\$64af70c0\$37659fc1@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Got the kit today with the help of Doc, K0EVC,

built it in the afternoon

tested it

fall in love with it.

THIS is an absolutely great tuner!

Will write another QRP-Article for the 1200 DL-QRP-AG Club members and for the 40.000 readers of FUNKAMATEUR Magazin.

Are there other gems like this around?

Tips greatful appreciated (a QRP editor never has enough stuff for his monthly column :-))

72 de Peter, DL2FI

-----  
Date: Thu, 06 May 1999 13:42:11 EDT  
From: "George W. Lee" <k5ht@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [39730] Parts ID  
Message-ID: <19990506.124142.7991.0.k5ht@juno.com>



I have two chips that have lost their ID.  
Can someone help...my references do  
not have them listed.

Harris part# HA7210IP(thats an ip on the end)

I have two of them and no knowledge of  
why I bought them or what they might do.  
New in a Harris chip holder(slide in type).

73, George KR5C

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Thu, 06 May 1999 11:40:32 -0600  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: qrp-1@lehigh.edu, k0fei@ibm.net  
Subject: [39731] Re: Discussions with 5 Great Living Hams (long)  
Message-ID: <3731D410.7A0593BF@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Frank, thanks for posting the correction and I REALLY did mean  
to put OSU - my apologies to the staff and alumni of Ohio State  
for it not coming out that way. I have seen his book on magnetics  
and as with many, do have a copy of Antennas on my bookshelf and a  
several magazines in which his articles appeared about the 8JK,  
corner reflectors and others of interest to the ham community.  
Thanks again for the post and info.

Ray

--

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----

Date: Thu, 6 May 1999 12:48:16 -0500  
From: "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>  
To: anthony@pacinfosb.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [39732] Re:  
Message-ID: <v0401170ab35785108c5d@[10.4.13.191]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 9:58 AM -0800 5/6/99, Anthony Felino wrote:  
>Does anyone know if the Regen Building Contest rules allow  
>for the contestant not being present? And, if so, is there  
>anyone that could take my entry to Texas? I'm in Santa Barbara,  
>CA.

Anthony, yes the rules allow you to send your entry in. We would prefer you bring it or find a friend to do so, Ibut if you can't find a 'ride' for it you can send it to me and I'll get it there for you. If you are going to send it please let me know and I'll give you the address - i want to be very sure I know what's coming so i can let folks know as rigs arrive.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Fri, 16 Apr 1999 00:52:07 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [39733] BNC Conector  
Message-ID: <006301be87cd\$449ae580\$6be690d1@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all, I am adding a BNC antenna connector to my SWL 40+.  
The manual says if you are going to run your wire longer than a few inches you should use coax. I am not going to run mine that far so is it ok to use the same wire I used to connect the Pots and headphone and key connections??

Thanks

Charles

-----  
Date: Fri, 16 Apr 1999 00:55:13 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [39734] One More  
Message-ID: <006501be87cd\$b328e600\$6be690d1@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Oops sorry, another question!!

My radio and my antenna tuner require 12 vdc, can I just run 2 wires off of the power supply to my radio and tuner??

Thanks

Charles

-----  
Date: Thu, 6 May 1999 10:56:33 -0700 (PDT)  
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39735] NEW (?) questions about regens (and Dave's FreqMite)  
Message-ID: <Pine.GS0.3.96.990506104629.1803D-100000@darkwing.uoregon.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I, too, am thinking about building a regen receiver. (My first project in a VERY long time!) One thing I'd like is an accurate, easy way to know what frequency I'm on. (I don't have another accurate receiver or signal generator to compare signals with.)

My question is this: can I use a frequency display like Dave's FreqMite (or similar) wired up to the oscillator? For "normal" receivers, I know that's where it's attached. For the regen receiver in the ARRL Handbook, though, they show a tiny loop antenna (inside the receiver box), NOT attached to the circuit, driving a frequency display. Is this because

regen circuits are "different" and won't work with a direct attachment to the oscillator?

Any and all regen gods (and demi-gods) are welcomed to enlighten this humble supplicant.

--and thanks!

Doug Simpson  
(brand new General license: KD7FCY)

-----  
Date: Thu, 06 May 1999 13:01:59 +0000  
From: Jay Bromley <w5jay@alltel.net>  
To: k8dd@contesting.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39736] Re: Rufz in DOS (Windows 98)  
Message-ID: <373192C7.32629DE2@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hank and Gang,  
I guess my new Compaq doesn't have a sound card compliant with Pileup. I love the program and it worked ok on the old Toshiba laptop. I still have it on the home computer, but I wish I could figure out a way to get it to work on the Compaq while I am on the road.  
73 de w5jay..

Hank Kohl K8DD wrote:

> I have had some problems with RUFZ and 95/98/NT - works on some PC's  
> and not on others. It may be 1) the PC 2) the O/S 3) me!  
>

-----  
Date: Thu, 6 May 1999 11:10:35 -0700 (PDT)  
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>  
To: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [39737] Re: Dave Benson's New DSW Rig, Another Beta Builder Report  
Message-ID: <Pine.GS0.3.96.990506105935.1803E-1000000@darkwing.uoregon.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doug,

For those of us who WON'T be at Hamcom (sigh) and who DON'T have a rig yet (LOUD sigh) might you be persuaded to share your list with us? -- after the convention, of course!! I'm interested in why a certain setup might be better for one person than another (aside from band choice).

(actually, I DO have a kit here -- still in the envelope: my own (now rare and collectable!) unbuilt KnightSMiTe is here with me even as I type. I'm doing daily finger and eye exercises so I'll be ready to attempt its awakening soon!))

Thanks,

Doug Simpson  
KD7FCY

>  
> When guys ask me which kit to buy, I used to have 3 recommendations  
> depending on the class of rig and their experience. Now I have 4. If you  
> are going to Hamcom and attend my forum session, I will be speaking on "What  
> kit to buy, and why." I will give my recommendations and reasons why I  
> reached the decision that I did. When I first prepared my talk, there were  
> only 3 kits, now there are 4, and I'll give you a hint, two of them were  
> designed by the same guy, and he lives in Newington.  
>

-----  
Date: Thu, 6 May 1999 11:09:34 -0700  
From: "Radman" <radman@best.com>  
To: <k5ht@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [39738] Re: Parts ID  
Message-ID: <199905061807.LAA25140@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

George,

The web page is: <http://www.semi.harris.com>

Description is: "HA7210 -- 10kHz to 10MHz, Low Power

Crystal Oscillator"

The data sheets (15 Pages) are available in Adobe's pdf format at: <http://www.semi.harris.com/search/>

GL es 72, Conrad - NN6CW

\*\*\*\*\*

I have two chips that have lost their ID. Can someone help...my references do not have them listed. Harris part# HA7210IP(thats an ip on the end) I have two of them and no knowledge of why I bought them or what they might do. New in a Harris chip holder(slide in type).

73, George KR5C

-----

Date: Thu, 6 May 1999 11:13:43 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39739] Motorola Bails Out of RF Bipolar Power Market  
Message-ID: <Pine.BSI.3.96.990506110634.15425B-100000@usr06.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This isn't exactly QRP related, but I just discovered that Motorola has all but completely bailed out of the bipolar RF discrete transistor market. Of the formerly extensive MRF3XX and MRF4XX devices, only (MRF464) one remains in the current selector guide, as far as I can tell.

This has been the trend with Motorola for some years. They have abandoned the RF market below 500MHz. Fortunately, there is still Philips, MicroSemi, ST, and GHz where power bipolar RF transistors can be found.

,-----.  
/ What's all this \  
/ extinct stuff, anyhow? /  
\\_-----'  
\_ |/

Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer

ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

-----

Date: Thu, 6 May 1999 12:15:50 -0600  
From: "Carl Zmola" <zmola@campbellsci.com>  
To: qrp-l@Lehigh.EDU  
Subject: [39740] Re: Launching Antennas  
Message-ID: <19990506181018906.AAA243@carl-zmola>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Bruce Muscolino <w6toy@erols.com> wrote:

```
> I am a little confused about the weights you guys are using though. I
> launch a monofilament line first, with only about 1/2 to 3/8 ounces of
> weight attached. I then pull up a piece of parachute cord with the
> monofilament and then the antenna wire itself. I find this method reduces
> the strain on myself and the weight. Frankly, I don't think I could
> launch a water bottle, thank God I don't have to!
```

It is not MANLY enough. We qip'rs are MANLY, not geeks. So we need a MANLY way to launch antenna's.

MANLY carl  
KK7QD

Disclaimer: The opinions expressed here are not my own. I just like saying MANLY.

Carl  
zmola@campbellsci.com

-----  
Date: Thu, 6 May 1999 11:39:34 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Morse.Express.Clients@edison.chisp.net,  
Morse.Express.Clients@edison.chisp.net, cqclist@mtechnologies.com, qrp-  
l@lehigh.edu, brasspounders@e-groups.com  
Subject: [39741] New Products at Morse Express  
Message-ID: <199905061740.LAA09919@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

We have FOUR new keys, and a CPO kit!

>From Gordon Crowhurst, G4ZPY, we have Models 60 and 61. This is a "miniature portable pump key" and it is a little gem. The perfect size to carry around in pocket or handbag for portable operation. Classic G4ZPY engineering for years of trouble-free sending. Model 60 is polished brass, 61 is nickel plated. Both are on a plastic base with friction pad. 3 x 2 x 1.7, 6 oz. Model 60 is \$114.95 and Model 61 is \$129.95. See them (and order!) at <http://www.MorseX.com/g4zpy>.

>From American classic AMECO Corporation we have the traditional plastic practice key and the equally traditional brass "Japan" ball-bearing key. Perfect gifts for kids and Morse students where there is some risk as to continuing interest, or for getting feet wet before deciding on a "good" key. The brass key is only \$16.95 and the plastic one is only \$10.95, making them by far the least expensive keys in our inventory. We also have the AMECO code practice oscillator which is easy to build, high quality, and very reminiscent of Heath and Knightkit CPOs. It's \$19.95. See these Ameco products at <http://www.MorseX.com/ameco>.

Use our secure ordering facilities on the web site, or call (800)2388205 toll free to order by phone, or call (303) 7523382 for more information.

Morse Express:  
"Everything for the Morse Enthusiast..."



-----  
Date: Thu, 06 May 1999 11:16:19 -0700  
From: Jim <w7ls@blarg.net>  
To: draperbl@sandia.gov, qrp-1@lehigh.edu  
Subject: [39742] Re: Index Labs QRP+ repairs?  
Message-ID: <3731DC73.7D90B359@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Yes, there is. Contact Stan K7SY in Seattle at 206-285-8941. He is the dude.

Jim W7LS

"Draper, Bruce L" wrote:

> I have a dead Index Labs QRP Plus. Is there a good place for  
> service -- perhaps an ex-employee of Index who still knows how  
> to bring these rigs back to life?  
>  
> -Bruce, AA5B  
> draperbl@sandia.gov  
>  
> Please respond directly... I don't receive mail from the reflector.

-----  
Date: Thu, 6 May 1999 11:24:36 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [39743] Huge sigh of relief in California and New Mexico  
Message-ID: <01be97ed\$b2c2b260\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Guys, that whoosing sound you heard a few minutes ago was Paul Harden, NA5N in New Mexico and Doug Hendricks and Jim Cates in California sighing with

relief that the Winter issues of QRPP have not been lost in the Postal system. Last night Paul and I were making contingency plans on what to do if the whole issue had been lost. We didn't think that was possible, but we were beginning to wonder. Bless you Ray Colbert, you don't know how happy you made a couple of guys this morning. Enjoy the issue guys. 72, Doug

-----  
Date: Thu, 6 May 1999 12:33:21 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Anthony Felino <anthony@pacinfosb.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [39744] Re: Regen Contest  
Message-ID: <Pine.SUN.4.10.9905061230450.27015-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 May 1999, Anthony Felino wrote:  
> Does anyone know if the Regen Building Contest rules allow  
> for the contestant not being present? And, if so, is there  
> anyone that could take my entry to Texas? I'm in Santa Barbara,  
> CA.  
>  
> Thanks,  
> Anthony, WN6Q

Anthony and others,  
I'm sure there will be a regen contest category at PacifiCon this year in October as well. If you can't find anyone to take it to Texas for you, bring it to PacifiCon.

72, Paul NA5N

-----  
Date: Thu, 06 May 1999 10:02:55 -0500  
From: Jim Stafford <w4qo@America.net>  
To: k4wz@bellsouth.net  
Cc: qrp-l@lehigh.edu  
Subject: [39745] Charge Battery  
Message-ID: <3731AF1F.238C@America.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ron,

I assume your battery (you said 7AH) is a Gel Cell which is a lead acid battery. In general, you are right about the current going to zero when charged. This is true when a regulated power supply is used. I suppose any charger's current will go to zero eventually but the cell may be ruined by then. I like to use a power supply (regulated charger) at no more than 14.4 volts. You can float a gelcel to that level, altho I prefer about 14.0.

Most chargers are not regulated such as one of those little wall cube things (I have a couple which are billed as Motorcycle battery chargers), it can take your battery on up to 16 or 17volts - not good. NEVER charge any battery until it gets warm, but if you use a regulated charger/power supply that is in the 13.8 to 14.0 range, you can actually leave the gelcel connected all the time and it won't get warm (the thing that dries out and shortens the life of the gelcel). I float about a half dozen gelcels all the time and then I have one ready when it is needed. I have had many for 5 to 7 years in this mode. I have also ruined almost new ones when I left them connected to an unregulated supply for a couple days - ouch!!

So to answer your original question: When you float a battery on a regulated supply the current will appropriately go to zero (or something very close to zero) when charged. NOTE: NiCads totally different in charging requirements.

Good luck, it takes a bit to be successful with batteries.

Jim, W4QO

-----

Date: Thu, 6 May 1999 15:14:32 EDT

From: Robspark@aol.com  
To: qrp-l@lehigh.edu  
Subject: [39746] AR QRP Net results  
Message-ID: <96365d41.24634418@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The AR-QRP Net last night had 5 QNIs amid noisy band conditions. If you tried to QNI and I still missed you, sorry! The static was rough here in central Louisiana last night. The net QSYd down to 7.04162 mhz and started at 0030Z. It was great to hear some of the regulars check in as well as some new QNIs, too. It is clear that Hamcom is on everyone's minds and that it will be loads of fun this year! The net ended at 0100Z. Here are the stations that checked in:

K5ZTY	Bill
K1GW	Larry
K5FO	Chuck
KF4KSM	Mac
KC0DX	Ed

The NCS was Bob AB5ZD , QTH Alexandria LA, running 5 watts to a G5RV up about 30 feet in soggy pecan trees. Orientation of the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night	0030Z	3.560 mhz
Wednesday Night	0030Z	7.042 mhz

Non-members are welcome (and encouraged) to QNI!

72,

Bob AB5ZD

-----

Date: Thu, 6 May 1999 09:24:57 -1000 (HST)  
From: "Mike W. Burger" <mike@gold.chem.hawaii.edu>  
To: qrp-l@lehigh.edu  
Subject: [39747] camping info  
Message-ID: <199905061924.JAA23604@gold.chem.hawaii.edu>

I have collected some notes on camping with radios, batteries, kites, balloons, grounds and other topics on our UHaM web pages.

www.chem.hawaii.edu/uham

Down towards the bottom of the index page is a list of topics and short descriptions. Maybe some of it might help with field day preparations.

We are going back to the botanical park. It is an interesting site in a tropical rain forest. Unfortunately there is NO MOLESTING OF TREES!!!

So the motivation to optimize the SLV and the derivative antenna I call the stake stick. It is one of the few places I cannot continue my practice of antenna launching. The local park officials are very supportive and very nice, so we try to stick to their rules, and they are very concerned about their trees, rightfully so.

One thing is certain. It WILL rain! Horizontal rain driven by trade winds enhanced by landbreeze/seabreeze regime.

Mike AH7R qrp-1 #1053

-----  
Date: Thu, 6 May 1999 12:38:42 -0700  
From: "Mike Silva" <mjsilva@jps.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [39748] Re: NEW (?) questions about regens (and Dave's FreqMite)  
Message-ID: <01e501be97f8\$0c49cf80\$2c89a9ce@davidb-200.amotusa.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

>My question is this: can I use a frequency display like Dave's FreqMite  
>(or similar) wired up to the oscillator? For "normal" receivers, I know  
>that's where it's attached. For the regen receiver in the ARRL Handbook,  
>though, they show a tiny loop antenna (inside the receiver box), NOT  
>attached to the circuit, driving a frequency display. Is this because  
>regen circuits are "different" and won't work with a direct attachment to  
>the oscillator?

Unlike most oscillators, a regen detector, when oscillating, is usually barely on the edge of oscillation (for the most sensitivity). Also, the receiver RF selectivity is based entirely on the Q-multiplying effect of the regeneration. For both of these reasons you don't want to place \*any\* unnecessary load on the oscillating detector.

BTW, the term "regenerative detector" really covers a number of situations.

Regenerative detectors can be either oscillating or non-oscillating. In the case of a non-oscillating regenerative detector, an external oscillator can be coupled in to provide the mixing signal, or there can be no oscillator signal (the correct situation for AM reception). Thus a regenerative detector can be an autodyne detector (oscillating detector), or it can be a heterodyne detector (external oscillator), or it can be neither. Also, while an autodyne detector must be regenerative (it's an oscillator), a heterodyne detector need not be (then it's a "regular" DC detector).

In the '20s and '30s the regenerative heterodyne detector was touted as a big improvement over the autodyne detector, since the user had separate control over the regeneration and the injection level, while these are linked in the autodyne detector. It also lets you peak the detector tuned circuit right on the received signal, rather than down the resonance slope on the received signal +/- the desired audio note, which is the situation for an autodyne detector. Perhaps if the superhet hadn't come along at that time the regenerative heterodyne detector would have replaced the autodyne detector in the quest for better performance.

73,  
Mike, KK6GM

-----  
Date: Thu, 6 May 1999 15:25:00 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [39749] SWL DSW rig  
Message-ID: <199905062009.QAA27733@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hi Gang,

I'm glad word of Dave's new DSW rig has finally hit the streets!  
I was privileged to be privy to it's development and it was really,  
really, really, hard to keep quiet about it :-)

I knew the DSW was going to be \*the\* hottest rig to come out this  
century and set a standard for the next. I'm waiting for the 20M  
version in the bullet proof Doug Hauff case to use camping and  
hiking. Repeat after me, "No more drift, no more chirp, no more

dirty 10 turn pots!"

My guess is Dave's going to be really busy keeping up with demand.  
I'm sorry I won't make Dayton this year to see all the oooh'ing and  
aaaahy'ing.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Thu, 6 May 1999 16:41:21 -0400  
From: "Mike Czuhajewski" <wa8mcq@erols.com>  
To: "QRP forum" <qrp-l@lehigh.edu>  
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>  
Subject: [39750] Re: QRP Classics  
Message-ID: <199905062036.QAA31340@xanadu.evi-inc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

And while looking for a copy of this out-of-print book, if you have a  
choice, get the second printing instead of the first printing. For some  
inexplicable reason, the first printing omitted what many consider one of  
the true QRP classics of all time, the W7EL Optimized QRP Transceiver from  
the August 1980 issue of QST.

73 and queue our pea DE WA8MCQ

-----  
Date: Thu, 06 May 1999 13:55:49 -0700  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [39751] W7EL Optimized Xcvr article  
Message-ID: <373201D5.4B9D@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have a complete set of QSTs...

K7GT

--

	/	
	/	
Allan Taylor, PE K7GT	/Z  \	FISTS 3222 QRP-L 1016
k7gt@arrl.net	/  /599  \	ARS 228 NorCal 2018
operating nr SF/Oakland CA	/_ /____ __\	DXCC and WAS 40/cw
..."QRP, QRO, or barefoot..."...	[\-----/	http://www.qsl.net/k7gt

~~~~~

-----

Date: Thu, 6 May 1999 14:21:52 -0700  
 From: "KQ6XY" <kq6xy@golldrush.com>  
 To: <wa8mcq@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Subject: [39752] Re: QRP Classics  
 Message-ID: <000701be9806\$77787000\$05a9abce@golldrush.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit  
 Content-Transfer-Encoding: 7bit

<http://www.amazon.com> can probably find a copy for you.

See  
<http://www.amazon.com/exec/obidos/ASIN/0872593169/qid%3D926025165/002-4252784-7347404>

73.  
 --Larry

----- Original Message -----  
 From: Mike Czuhajewski <wa8mcq@erols.com>  
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Sent: Thursday, May 06, 1999 1:41 PM  
 Subject: Re: QRP Classics

>And while looking for a copy of this out-of-print book, if you have a  
 >choice, get the second printing instead of the first printing. For some  
 >inexplicable reason, the first printing omitted what many consider one of  
 >the true QRP classics of all time, the W7EL Optimized QRP Transceiver from  
 >the August 1980 issue of QST.  
 >  
 >73 and queue our pea DE WA8MCQ  
 >



-----  
Date: Thu, 06 May 1999 14:34:21 -0700  
From: "Russ Carpenter" <russ@natworld.com>  
To: "QRP-L List" <qrp-l@lehigh.edu>  
Subject: [39753] Results of the MAY SPARTAN SPRINT  
Message-ID: <199905062124.0AA28895@guppy.pond.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

May's Spartan Sprint was a nice success, despite some of the worst atmospheric noise I've ever heard. I assume that the tornados raging across the Midwest were the culprits. Once again, QRP operators have shown an amazing ability to get signals through nasty conditions.

Each contact received one point. If you didn't tell us your station weight, or if your station weighed more than the Vatican, we stipulated a weight of 30 pounds.

Thanks for your participation and your support of Adventure Radio Society!

Russ Carpenter, AA7QU  
Contest Manager

THE SKINNY DIVISION (Results sorted in order of points per pound)

| Call   | Name    | 40 M | 20M | Total | Weight | Points/<br>Pound |
|--------|---------|------|-----|-------|--------|------------------|
| AA4XX  | Paul    | 17   | 7   | 24    | 2.2    | 10.91            |
| N3AO   | Carter  | 21   | 2   | 23    | 3.4    | 6.76             |
| K1QM   | Joel    | 16   | 3   | 19    | 3      | 6.33             |
| N0SXX  | Gary    | 6    | 0   | 6     | 1.2    | 5.00             |
| K7TQ   | Randy   | 4    | 8   | 12    | 2.7    | 4.44             |
| KI6SN  | Richard | 0    | 7   | 7     | 1.8    | 3.89             |
| AA7QU  | Russ    | 4    | 4   | 8     | 2.7    | 2.96             |
| KI0II  | Ron     | 3    | 13  | 16    | 6.1    | 2.62             |
| K04WX  | Mike    | 4    | 0   | 4     | 2      | 2.00             |
| KQ6NO  | Rick    | 4    | 0   | 4     | 2.3    | 1.74             |
| W4QO   | Jim     | 12   | 0   | 12    | 9      | 1.33             |
| N7CEE  | Bruce   | 1    | 0   | 1     | .84    | 1.19             |
| N0IBT  | Dave    | 1    | 6   | 7     | 6.5    | 1.08             |
| KH6B   | Dean    | 0    | 5   | 5     | 6      | 0.83             |
| AC5K   | Wes     | 18   | 6   | 24    | 30     | 0.80             |
| WA4SQM | Ken     | 2    | 3   | 5     | 7      | 0.71             |
| VE3ELA | Ken     | 8    | 2   | 10    | 17     | 0.59             |

|        |       |    |    |    |     |      |
|--------|-------|----|----|----|-----|------|
| N6WG   | Bob   | 15 | 0  | 15 | 30  | 0.50 |
| KA8LLE | Ben   | 8  | 4  | 12 | 30  | 0.40 |
| W7SNV  | Al    | 1  | 1  | 2  | 5.2 | 0.38 |
| K07X   | Alan  | 0  | 10 | 10 | 30  | 0.33 |
| W5TB   | Doc   | 2  | 7  | 9  | 30  | 0.30 |
| K2PQ   | Frank | 0  | 6  | 6  | 30  | 0.20 |
| AA2WX  | Mike  | 4  | 0  | 4  | 30  | 0.13 |
| KD3FG  | Jon   | 0  | 2  | 2  | 30  | 0.07 |
| N50BC  | Mark  | 0  | 0  | 0  | 1   | 0.00 |

THE TUBBY DIVISION (Results sorted in order of points)

| Call   | Name    | 40 M | 20M | Total |
|--------|---------|------|-----|-------|
| AC5K   | Wes     | 18   | 6   | 24    |
| AA4XX  | Paul    | 17   | 7   | 24    |
| N3AO   | Carter  | 21   | 2   | 23    |
| K1QM   | Joel    | 16   | 3   | 19    |
| KI0II  | Ron     | 3    | 13  | 16    |
| N6WG   | Bob     | 15   | 0   | 15    |
| K7TQ   | Randy   | 4    | 8   | 12    |
| KA8LLE | Ben     | 8    | 4   | 12    |
| W4QO   | Jim     | 12   | 0   | 12    |
| VE3ELA | Ken     | 8    | 2   | 10    |
| K07X   | Alan    | 0    | 10  | 10    |
| W5TB   | Doc     | 2    | 7   | 9     |
| AA7QU  | Russ    | 4    | 4   | 8     |
| N0IBT  | Dave    | 1    | 6   | 7     |
| KI6SN  | Richard | 0    | 7   | 7     |
| N0SXX  | Gary    | 6    | 0   | 6     |
| K2PQ   | Frank   | 0    | 6   | 6     |
| KH6B   | Dean    | 0    | 5   | 5     |
| WA4SQM | Ken     | 2    | 3   | 5     |
| KQ6NO  | Rick    | 4    | 0   | 4     |
| AA2WX  | Mike    | 4    | 0   | 4     |
| K04WX  | Mike    | 4    | 0   | 4     |
| KD3FG  | Jon     | 0    | 2   | 2     |
| W7SNV  | Al      | 1    | 1   | 2     |
| N7CEE  | Bruce   | 1    | 0   | 1     |
| N50BC  | Mark    | 0    | 0   | 0     |

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Date: Thu, 6 May 1999 17:48:28 -0400  
 From: "George Goodroe" <goodroe@worldnet.att.net>

To: <cars@k4ksa.org>, <w4dug@onelist.com>, "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [39754] For Sale: Kenwood Station Monitor SM220  
Message-ID: <000301be980a\$2f7a6d40\$e218fea9@ggoodroe>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

For Sale

Kenwood SM-220 Station Monitor with BS-8 Pan display adapter.

Clean, Working, No dings, or scratches. Well Maintained, Non-Smoker.

\$295 OBO Call George at 727-578-2829 or kf4cpj@arrl.net

73 de KF4CPJ  
George Goodroe, QRP-L #1943  
St. Petersburg, Florida USA  
80 Meter high noise capital of the USA <grin>  
<http://home.att.net/~goodroe>  
<http://www.qsl.net/kf4cpj>

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Date: Thu, 6 May 1999 18:19:56 -0400  
From: STATE SYSTEMS RADIO INC <statesystems@compuserve.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [39755] Ten-Tec PM3A for sale  
Message-ID: <199905061820\_MC2-74C7-A84A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Ten-Tec PM3A in good condition with box and manual. No modifications,  
factory side tone and break in. 20/40M, clean, not used mobile/camping. =

\$100.00 As-Is, will bring to qrp hotel at Dayton. =

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Date: Thu, 6 May 1999 18:21:16 EDT  
From: PUNISHER3@aol.com

To: qrp-1@lehigh.edu  
Subject: [39756] tx into dummy load but not real antenna  
Message-ID: <f0f9f95a.24636fdc@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well, I've got a problem on my hands. I just finished my TENTEC 20m qrp rig, and all seems to work excellent.....into the dummy load. Then when I try to transmit in the antenna outside, the keying sounds like terrible scratches and hash, and the SWR is very high.

To reassure myself, I plugged the antenna into my other rig, and all is working fine with flat swr. hmmm. Then I tried adjusting the antenna tuner to see if that changed anything. It changed a little bit, but can't get anything less than 1.7:1 and the keying still sounds terrible. What could the problem be? Any Tentec users also have this problem. I would LOVE to hear from you, as I want to try out this new rig and make a contact.

Thanks in advance,  
Ben  
NW7DX  
Redmond, WA

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End of QRP-L Digest 1449  
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